

## **APPENDIX 1**

### **WPDG Grantee Cohort Wetland Program Characteristics**

# Appendix 1: WPDG Grantee Cohort Wetland Program Characteristics

With Details on Progress Made Towards Building Core Elements (FY2001 - 6)

Topic Category	Program Characteristic	Large Programs (N=9)									
		FLDEP	VADEQ	VIMS	NCDENR	MADEP	ORDSL	WIDNR	WDQF	OEPA	# Large Programs
# Grants (FY2001-6)	Monitoring and Assessment	0	1	5	1	3	4	5	1	5	25
	Regulation	2	1	3	1	5	0	3	3	3	21
	Restoration	3	1	1	1	0	0	2	0	0	8
	WQS	0	0	0	0	0	0	0	0	0	0
Core Element	Endpoint	Progress Towards Endpoints During FY01-FY06									
MONITORING & ASSESSMENT		Other:									
	Has data analysis/assessment [methods].	Y	Y	Y	Y	Y	Y	Y	Y	Y	9
	Has data management systems.	Y	Y	Y	Y	Y	Y	Y	Y	Y	9
	Has wetland inventory maps.			Y	Y	Y	Y	Y			4
	Conducts status reports that include wetlands status.			Y	Y	Y		Y		Y	5
	Has a classification system.				Y		Y	Y	Y	Y	5
	Has specific monitoring objectives/design (regulatory and non-regulatory).		Y	Y			Y	Y		Y	5
	Has a wetland reference network.	Y					Y	Y			3
		Has and actively uses core & supplemental indicators:									
	Level 3 – Bio/Eco Indices (1/3 criterion)		Y	Y				Y		Y	4
	Level 1 – Landscape (1/3 criterion)		Y	Y		Y		Y	Y	Y	6
	Level 2 – Rapid Assessment (1/3 criterion)		Y	Y		Y		Y	Y	Y	6
		Progress Towards Endpoints During FY01-FY06									
REGULATION		Statewide Wetland Regulatory (Permit) Program:									
	401 Certification provides comprehensive protection for wetlands		Y		Y	Y		Y	Y	Y	6
	Tracks permit activities	Y	Y		Y	Y	Y	Y	Y	Y	8
	Whether all wetlands are subject to 401 Water Quality Certification.					Y			Y	Y	3
		Compliance and Enforcement Program:									
	Has a basis of authority for a compliance and enforcement program.	Y	Y		Y	Y	Y	Y	Y	Y	8
	Has targets for individual permit, general permit, and mitigation site inspections (e.g. a set percentage of individual permit site inspection annually).	Y						Y		Y	3
	Analyzed mitigation approach:	Y	Y				Y	Y	Y	Y	6
Sources		Interview	Grant Material/DB Descriptions	Interview & Grant Material/DB Descriptions			State / Tribal Website	ELI Reports (2005-2007)			

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		Large Programs (N=9)										
Topic Category	Program Characteristic	FLDEP	VADEQ	VIMS	NCDENR	MADEP	ORDSL	WIDNR	WDOE	OEPA	# Large Programs	
Core Element	Endpoint	Progress Towards Endpoints During FY01-FY06										
RESTORATION		The state has a plan that includes:										
	Has targeted restoration with some criteria.	Y	Y	Y	Y	Y		Y		Y	7	
	Has the ability to identify restoration needs and prioritize wetlands.			Y		Y		Y			3	
	Actively uses tracking, reporting, and evaluation components.	Y						Y		Y	3	
	Conducts active research regarding restoration techniques and methods to measure success.			Y		Y		Y		Y	4	
	Funding or assistance is offered by the state/tribe to assist entities carrying out wetland restoration.		Y		Y	Y			Y		4	
WATER QUALITY STANDARDS	Adopted wetland-specific water quality standards [ELI3;p21]				Y	Y		Y		Y	4	
	Has wetland criteria – numeric and/or narrative - in place or under development.	Y						Y		Y	3	
	Wetlands are included in the definition of “waters of the state.”	I	E		I	?	E	E	I	E		
Sources		Interview	Grant Material/DB Descriptions		Interview & Grant Material/DB Descriptions			State / Tribal Website	ELI Reports (2005-2007)			

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Topic Category	Program Characteristic	Large Programs (N=9)									# Large Programs
		FLDEP	VADEQ	YIMS	NCDENR	MADEP	ORDSL	WIDNR	WDQE	OEPA	
OTHER PROGRESS	Conducts wetland-related education and outreach	Y	Y	Y	Y	Y	Y	Y	Y	Y	9
	Uses GIS		Y	Y		Y	Y	Y	Y	Y	7
	Issued guidance materia	Y	Y	Y		Y	Y	Y	Y	Y	8
	Participation in task force/study group/work group			Y		Y	Y	Y	Y	Y	6
	Cooperation with other agencies for tools, knowledge or advice	Y	Y			Y	Y		Y		5
	Development of a wetlands inventory			Y		Y		Y			3
	Development of a wetland website too	Y	Y	Y	Y						4
ADMIN.	Annual Budget (\$millions)	\$3.50	\$11.00	\$0.50		\$3.10		>\$1		>\$1	
	Receives state funding from general tax or bond revenues	Y	Y	Y	Y	Y		Y	Y	Y	8
	Used other sources of funding		Y	Y					Y	Y	4
	Received a State/Tribal Environmental Outcome Wetland Demonstration Program Pilot Grant	Y	Y			Y	Y			Y	5
	Program would function without presence of WPDGs	Y		Y		Y		Y	Y	Y	0
	FTEs (appx)	250	45.5	5.5	43	40	27	27	24	13	
	Has strategic plan (Y) or elements of one (E)	E	Y	Y		Y	Y	Y	E	Y	
	Number of "State agencies conducting significant wetland-related activities." (ELI Vol 3,p16)	2	4		1	UNK	5	1	4	2	
Sources		Interview	Grant Material/DB Descriptions	Interview & Grant Material/DB Descriptions			State / Tribal Website	ELI Reports (2005-2007)			

# Appendix 1: WPDG Grantee Cohort Wetland Program Characteristics

With Details on Progress Made Towards Building Core Elements (FY2001 - 6)

		Large Programs (N=9)									
Topic Category	Program Characteristic	FLDEP	VADEQ	VIMS	NCDENR	MADEP	ORDSL	WIDNR	WDOE	OEPA	# Large Programs
		Grantee Feedback on Program Development Issues:									
CRITICAL SUCCESS FACTORS	Sufficient and consistent funding	Y		Y		Y		Y		Y	5
	Support and coordination with outside organizations	Y	Y	Y			Y	Y		Y	6
	Having a strategic plan or doing planning, prioritizing, or preparation in advance			Y			Y	Y	Y	Y	5
	Internal management or community support for wetland program		Y			Y				Y	3
	Having local programs active in wetlands protection					Y					1
	Having capable and qualified staf	Y						Y			2
BARRIERS	Inadequate funding			Y		Y		Y		Y	4
	Insufficient staffing to develop program								Y	Y	2
	One year grant duration too short					Y		Y	Y		3
	Inexperience with writing grants										0
	Competition for WPDG funding	Y				Y	Y				3
	Timing of funding not coincide with seasons to do field work; schedules slip			Y		Y				Y	3
	Lack of internal or interagency support										1
	Difficulty in securing matching funds					Y					1
	Internal grant approval process										1
	Inaccuracies in NWI maps			Y							1
										1	
SUGGESTIONS	Increase funding for WPDG program	Y	Y	Y	Y	Y	Y	Y		Y	8
	Extend grant duration beyond one yea	Y				Y		Y	Y		4
	Provide assistance with grant material submissions	Y									1
	Facilitate the sharing/adapting of tools between states and tribes	Y	Y							Y	3
	Make QAPP Reqts less onerous							Y			1
	Restart annual regional conferences	Y									1
Sources		Interview	Grant Material/DB Descriptions		Interview & Grant Material/DB Descriptions		State / Tribal Website	ELI Reports (2005-2007)			

# Appendix 1: WPDG Grantee Cohort Wetland Program Characteristics

With Details on Progress Made Towards Building Core Elements (FY2001 - 6)

		Small Programs (N=9)											
Topic Category	Program Characteristic	Hualapai	MODNR	NDDOH	NMED	CODNR	Pyramid Lake Paiute	Saint Regis Mohawk	HIDLNR	ANRC	# Small Programs	TOTAL	
# Grants (FY2001-6)	Monitoring and Assessment	0	2	3	0	5	4	2	0	11	27	52	
	Regulation	0	2	0	0	1	0	3	0	0	6	27	
	Restoration	2	1	0	4	1	0	0	2	2	12	20	
	WQS	0	0	0	0	0	0	0	0	0	0	0	
Core Element	Endpoint	Progress Towards Endpoints During FY01-FY06											
MONITORING & ASSESSMENT		Other:											
	Has data analysis/assessment [methods].	Y	Y	Y		Y	Y	Y	Y	Y	8	17	
	Has data management systems.			Y		Y		Y		Y	4	13	
	Has wetland inventory maps.			Y		Y	Y	Y			4	8	
	Conducts status reports that include wetlands status.					Y				Y	2	7	
	Has a classification system.						Y			Y	2	7	
	Has specific monitoring objectives/design (regulatory and non-regulatory).	Y								Y	2	7	
	Has a wetland reference network.			Y						Y	2	5	
		Has and actively uses core & supplemental indicators:										6	12
	Level 3 – Bio/Eco Indices (1/3 criterion)	Y			Y		Y	Y			Y	5	9
	Level 1 – Landscape (1/3 criterion)				Y						Y	2	8
	Level 2 – Rapid Assessment (1/3 criterion)					Y					Y	2	8
		Progress Towards Endpoints During FY01-FY06											
REGULATION		Statewide Wetland Regulatory (Permit) Program:											
	401 Certification provides comprehensive protection for wetlands		Y			Y	Y			Y	Y	5	11
	Tracks permit activities							Y				1	9
	Whether all wetlands are subject to 401 Water Quality Certification.											0	3
		Compliance and Enforcement Program:											
	Has a basis of authority for a compliance and enforcement program.		Y			Y	Y			Y	Y	5	13
	Has targets for individual permit, general permit, and mitigation site inspections (e.g. a set percentage of individual permit site inspection annually).						Y					1	4
	Analyzed mitigation approaches:									Y		1	7
Sources		Interview	Grant Material/DB Descriptions		Interview & Grant Material/DB Descriptions		State / Tribal Website	ELI Reports (2005-2007)					

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With Details on Progress Made Towards Building Core Elements (FY2001 - 6)

Topic Category	Program Characteristic	Small Programs (N=9)											# Small Programs	TOTAL
		Hualapai	MODNR	NDDOH	NMED	CODNR	Pyramid Lake Paiute	Saint Regis Mohawk	HIDLNR	ANRC				
Core Element	Endpoint	Progress Towards Endpoints During FY01-FY06												
RESTORATION		The state has a plan that includes:												
	Has targeted restoration with some criteria.	Y	Y		Y		Y		Y	Y	6	13		
	Has the ability to identify restoration needs and prioritize wetlands.		Y			Y	Y			Y	4	7		
	Actively uses tracking, reporting, and evaluation components.	Y	Y								2	5		
	Conducts active research regarding restoration techniques and methods to measure success.	Y	Y		Y	Y	Y			Y	6	10		
	Funding or assistance is offered by the state/tribe to assist entities carrying out wetland restoration.		Y		Y			Y	Y		4	8		
WATER QUALITY STANDARDS	Adopted wetland-specific water quality standards [ELI3;p21]					Y			Y		2	6		
	Has wetland criteria – numeric and/or narrative - in place or under development.	Y									1	4		
	Wetlands are included in the definition of “waters of the state.”		I		E	I			I	E				
Sources		Interview	Grant Material/DB Descriptions		Interview & Grant Material/DB Descriptions		State / Tribal Website	ELI Reports (2005-2007)						

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Topic Category	Program Characteristic	Small Programs (N=9)									# Small Programs	TOTAL
		Hualapai	MODNR	NDDOH	NMED	CODNR	Pyramid Lake Paiute	Saint Regis Mohawk	HIDLNR	ANRC		
OTHER PROGRESS	Conducts wetland-related education and outreach		Y		Y			Y	Y	Y	5	14
	Uses GIS	Y	Y	Y			Y	Y		Y	6	13
	Issued guidance materia						Y	Y	Y	Y	3	11
	Participation in task force/study group/work group			Y	Y	Y		Y	Y	Y	5	11
	Cooperation with other agencies for tools, knowledge or advice			Y	Y	Y	Y	Y	Y	Y	6	11
	Development of a wetlands inventory	Y					Y			Y	3	6
	Development of a wetland website too						Y		Y	Y	2	6
ADMIN.	Annual Budget (\$millions)	\$0.30					\$0.00					
	Receives state funding from general tax or bond revenues		Y					Y			2	10
	Used other sources of funding	Y			Y		Y	Y			4	8
	Received a State/Tribal Environmental Outcome Wetland Demonstration Program Pilot Grant	Y									1	6
	Program would function without presence of WPDGs		Y	N	N			N			3	3
	FTEs (appx)	5	4	2	1.5	1	1	0		3		
	Has strategic plan (Y) or elements of one (E)		E	Y	E	E		E	E	E		E=8; Y=7
	Number of "State agencies conducting significant wetland-related activities." (ELI Vol 3,p16)		2	UNK	1	2	UNK	1	2	6		
Sources		Interview	Grant Material/DB Descriptions		Interview & Grant Material/DB Descriptions		State / Tribal Website	ELI Reports (2005-2007)				



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Topic Category	Program Characteristic	Hualapai	MODNR	NDDOH	NMED	CODNR	Pyramid Lake Paiute	Saint Regis Mohawk	HIDLNR	ANRC	# Small Programs	TOTAL
CRITICAL SUCCESS FACTORS	Sufficient and consistent funding	Y	Y		Y	Y	Y	Y	Y	Y	8	13
	Support and coordination with outside organizations			Y	Y	Y			Y	Y	5	11
	Having a strategic plan or doing planning, prioritizing, or preparation in advance	Y								Y	2	7
	Internal management or community support for wetland program						Y				1	4
	Having local programs active in wetlands protection		Y			Y	Y				3	4
	Having capable and qualified staff						Y				1	3
BARRIERS	Inadequate funding	Y	Y		Y	Y	Y				6	10
	Insufficient staffing to develop program		Y	Y	Y	Y	Y	Y			7	9
	One year grant duration too short	Y	Y				Y				3	6
	Inexperience with writing grants		Y		Y		Y	Y	Y		5	5
	Competition for WPDG funding	Y	Y								2	5
	Timing of funding not coincide with seasons to do field work; schedules slip			Y		Y					2	5
	Lack of internal or interagency support										3	4
	Difficulty in securing matching funds	Y			Y		Y				3	4
	Internal grant approval process										2	3
	Inaccuracies in NWI maps				Y						1	2
	Politics (e.g. development interests)										1	2
SUGGESTIONS	Increase funding for WPDG program	Y	Y	Y	Y	Y	Y				7	15
	Extend grant duration beyond one year	Y	Y			Y		Y	Y		5	9
	Provide assistance with grant material submissions		Y		Y		Y	Y	Y		5	6
	Facilitate the sharing/adapting of tools between states and tribes				Y						1	4
	Make QAPP Reqs less onerous							Y			1	2
	Restart annual regional conferences								Y		1	2
Sources		Interview	Grant Material/DB Descriptions		Interview & Grant Material/DB Descriptions		State / Tribal Website	ELI Reports (2005-2007)				

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*With Details on Progress Made Towards Building Core Elements (FY2001 - 6)*

Topic Category		Program Characteristic	
# Grants (FY2001-6)	Monitoring and Assessment		
	Regulation		
	Restoration		
	WQS		
Core Element	Endpoint		
MONITORING & ASSESSMENT			
	Has data analysis/assessment [methods].		
	Has data management systems.		
	Has wetland inventory maps.		
	Conducts status reports that include wetlands status.		
	Has a classification system.		
	Has specific monitoring objectives/design (regulatory and non-regulatory).		
	Has a wetland reference network.		
	Level 3 – Bio/Eco Indices (1/3 criterion)		
	Level 1 – Landscape (1/3 criterion)		
	Level 2 – Rapid Assessment (1/3 criterion)		
REGULATION	401 Certification provides comprehensive protection for wetlands		
	Tracks permit activities		
	Whether all wetlands are subject to 401 Water Quality Certification.		
	Has a basis of authority for a compliance and enforcement program.		
	Has targets for individual permit, general permit, and mitigation site inspections (e.g. a set percentage of individual permit site inspection annually).		
	Analyzed mitigation approach:		
Sources			

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*With Details on Progress Made Towards Building Core Elements (FY2001 - 6)*

Topic Category		Program Characteristic	
Core Element	Endpoint		
RESTORATION	Has targeted restoration with some criteria.		
	Has the ability to identify restoration needs and prioritize wetlands.		
	Actively uses tracking, reporting, and evaluation components.		
	Conducts active research regarding restoration techniques and methods to measure success.		
	Funding or assistance is offered by the state/tribe to assist entities carrying out wetland restoration.		
WATER QUALITY STANDARDS	Adopted wetland-specific water quality standards [ELI3;p21]		
	Has wetland criteria – numeric and/or narrative - in place or under development.		
	Wetlands are included in the definition of "waters of the state."		
Sources			

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*With Details on Progress Made Towards Building Core Elements (FY2001 - 6)*

Topic Category	Program Characteristic		
<b>OTHER PROGRESS</b>	Conducts wetland-related education and outreach		
	Uses GIS		
	Issued guidance materia		
	Participation in task force/study group/work group		
	Cooperation with other agencies for tools, knowledge or advice		
	Development of a wetlands inventory		
	Development of a wetland website too		
<b>ADMIN.</b>	Annual Budget (\$millions)		
	Receives state funding from general tax or bond revenues		
	Used other sources of funding		
	Received a State/Tribal Environmental Outcome Wetland Demonstration Program Pilot Grant		
	Program would function without presence of WPDGs		
	FTEs (appx)		
	Has strategic plan (Y) or elements of one (E)		
	Number of "State agencies conducting significant wetland-related activities." (ELI Vol 3,p16)		
<b>Sources</b>			

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*With Details on Progress Made Towards Building Core Elements (FY2001 - 6)*

Topic Category		Program Characteristic	
CRITICAL SUCCESS FACTORS	Sufficient and consistent funding		
	Support and coordination with outside organizations		
	Having a strategic plan or doing planning, prioritizing, or preparation in advance		
	Internal management or community support for wetland program		
	Having local programs active in wetlands protection		
	Having capable and qualified staff		
BARRIERS	Inadequate funding		
	Insufficient staffing to develop program		
	One year grant duration too short		
	Inexperience with writing grants		
	Competition for WPDG funding		
	Timing of funding not coincide with seasons to do field work; schedules slip		
	Lack of internal or interagency support		
	Difficulty in securing matching funds		
	Internal grant approval process		
	Inaccuracies in NWI maps		
	Politics (e.g. development interests)		
SUGGESTIONS	Increase funding for WPDG program		
	Extend grant duration beyond one year		
	Provide assistance with grant material submissions		
	Facilitate the sharing/adapting of tools between states and tribes		
	Make QAPP Reqs less onerous		
	Restart annual regional conferences		
Sources			